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# 1992

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# ARS

# ANNUAL

# AWARDS

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June 10, 1992  
National Arboretum

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# **ARS Annual Awards Ceremony**

U.S. Department of Agriculture

June 10, 1992

## **Program**

***Welcome and Introduction***

**Edward B. Knipling**  
Deputy Administrator  
National Program Staff

***Remarks***

**R.D. Plowman**  
Administrator

***Recognition of ARS Science Hall of Fame Winners***

***Recognition of Department Honor Award Winners***

***Recognition of Winners of Major Non-USDA Awards***

***Presentation of Awards to Winners of ARS'  
Take Pride in America (TPIA) Awards***

***Presentation of Awards to Winners of ARS'  
Technology Transfer Awards***

***Presentation of Career Service Certificates***

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# Science Hall of Fame Awards

This program recognizes one or more outstanding ARS scientists who have retired, or are eligible to retire, who have made a major impact on agricultural research and are still professionally active.

## Raymond C. Bushland

*For pioneering research leading to screwworm eradication by the sterile insect technique and for research leading to control of typhus vectors.*

## Lyman B. Crittenden

*For significant contributions to retroviral genetics, transgenic animal development, and genome mapping in poultry.*

## Arnel R. Hallauer

*For increasing understanding and use of quantitative genetics in plant breeding, which has led to development of many superior corn hybrids worldwide.*



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# Department Honor Awards

## *Distinguished Service*

**Delores M. Chambers-Dupuy**  
**Greenbelt, Maryland**

*For outstanding service in managing the Agricultural Research Service's ADP and major equipment acquisitions.*

**Wayne W. Hanna**  
**Tifton, Georgia**

*For pioneering the transfer of exotic germplasm from wild to cultivated species with great benefit to both U.S. and world agriculture, with potential to revolutionize crop production systems worldwide.*

**Harold W. Hawk**  
**Beltsville, Maryland**

*For leadership of a research laboratory that produced the first transgenic farm animals and first sexed offspring from separated X and Y sperm.*

**Chester G. McWhorter**  
**Stoneville, Mississippi**

*For research, advice, and counsel that have reduced the cost and improved the quality of food and fiber by providing improved weed control technology.*

**Oil Chemical Research**  
**Peoria, Illinois**

**Marvin O. Bagby, Group Leader**  
**Dale W. Ehmke**  
**Sevim Z. Erhan**

*For developing and transferring technology for petroleum free printing ink vehicles from soybean oil and other vegetable oils to expand markets for U.S. farmers.*

**Groundwater Nitrate Modeling Group**  
**Fort Collins, Colorado**

<b>Marvin J. Shaffer, Group Leader</b>	
<b>Patricia N. Bartling</b>	<b>John J. Meisinger</b>
<b>Bert R. Bock, TVA</b>	<b>David W. Moody, USGS</b>
<b>Mary K. Brodahl</b>	<b>Francis J. Pierce, Michigan State</b>
<b>Donna A. Fletcher, EPA</b>	<b>Harry B. Pionke</b>
<b>Ronald F. Follett</b>	<b>James S. Schepers</b>
<b>Ardell D. Halvorson</b>	<b>Samuel J. Smith</b>
<b>Dennis R. Keeney,</b>	<b>Jimmy R. Williams</b>
<b>Iowa State</b>	
<b>Derrel L. Martin,</b>	
<b>U. of Nebraska</b>	

*For developing a mathematical model (Nitrate Leaching and Economic Analysis Package) for use nationally to determine nitrogen management strategies to protect groundwater quality.*



## **Department Honor Awards (cont.)**

### ***Superior Service***

**Philip A. Miller**  
**Beltsville, Maryland**

*For leadership in directing ARS' research programs to high levels of national and international preeminence and prestige, particularly in the fiber and oilseed crop areas.*

### **Africanized Honey Bee Technical Working Group Action Team**

Ralph A. Bram, Group Leader

Otha H. Barham, APHIS

Edith Chenault, Texas A&M

Anita M. Collins

Kathleen Davis, Texas A&M

Alfred Dietz, APHIS

Janna Evans, APHIS

Ricardo E. Gomez, ES

Janet K. Kaplan

Douglas R. Ladner, APHIS

Davis Mayes, Texas A&M

Fowden Maxwell, Texas A&M

Robert W. Norton

Elba Quintero, APHIS

Thomas E. Rinderer

William L. Rubink

Eric Ruff, OPA

Rod Santa Ana, Texas A&M

Walter S. Sheppard

Hachiro Shimanuki

Alton N. Sparks,

Texas, A&M

James E. Tew, Ohio State

John Thomas, Texas A&M

Phil Villa-Lobos, OPA

Robert K. Washino,

U. of California

*For interagency development of proactive management and public information to deal with the natural migration of the first Africanized honey bees into the United States.*

## Department Honor Awards (cont.)

### ARS Winner Nominated By APHIS

#### *Superior Service*

#### Embryo Disease/Evaluation Committee

#### ARS Team Member:

**Martin J. Van Der Maaten**

**Ames, Iowa**

*For developing scientifically sound procedures enabling livestock producers to safely import embryos from FMD affected countries.*



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# Major Non-USDA Awards

## FLC Award for Excellence in Technology Transfer

This award, sponsored by the Federal Laboratory Consortium for Technology Transfer, recognizes employees who have done outstanding work in the process of transferring technology.

**George E. Inglett**  
**Peoria, Illinois**

*For developing and successfully transferring OATRIM technology thereby providing a new fat substitute which improves health by lowering blood cholesterol.*

## Federal Engineer of the Year

The Federal Engineer of the Year Award Program recognizes the accomplishments of engineers who serve the Federal Government. Sponsored by the National Society of Professional Engineers (NSPE), one engineer from each Federal agency is recognized as the Engineer of the Year. Thirty-five Federal agency engineers were recognized by NSPE. Dr. Brown was one of 10 finalists for the National Federal Engineer of the Year.

**Galen K. Brown**  
**East Lansing, Michigan**

*For superior effectiveness in identifying critical engineering research problems and developing innovative solutions relating to mechanical harvesting, bulk handling, and mechanical pollination.*

## **Arthur S. Flemming Award**

**This award, sponsored by the Downtown Jaycees of Washington, DC, annually honors 10 outstanding young men and women in the Federal Government—5 in the scientific or technical field and 5 in the administrative management field.**

**Sally Ann Leong  
Madison, Wisconsin**

*For outstanding research on the molecular genetics and biochemistry of *Ustilago maydis*, providing new insights into pathogenesis.*

## **Presidential Design Achievement Award**

**This award is sponsored by the National Endowment for the Arts.**

**ARS Northern Crop Science Laboratory  
Fargo, North Dakota**

*In recognition of contribution to excellence in design for the Government of the United States of America.*



## **Major Non-USDA Awards (cont.)**

### **Blue Pencil Competition**

**This is a nationwide competition, sponsored by the National Association of Government Communicators, which draws entries from all agencies of the Federal Government and some State agencies.**

*1991 first place winner for four-color periodicals was:*

**ARS' AGRICULTURAL RESEARCH Magazine.**

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# **ARS Take Pride in America (TPIA) Awards**

**This program recognizes employees who have participated in the Take Pride in America Program by outstanding stewardship actions or awareness efforts involving the protection and wise use of our natural and cultural resources.**

## ***For Outstanding Contributions***

**Jay E. Mellon  
New Orleans, Louisiana**

*For development of an educational program focused on comprehensive waste management procedures in the New Orleans area.*

## ***For Exemplary Contributions***

**Jerry A. Payne  
Byron, Georgia**

*For participating in an inventory of the native flora of local area and establishing a native plant demonstration area at the Georgia Department of Natural Resources.*



## **ARS Take Pride in America Awards (cont.)**

### **ARS National Visitor Center**

**Beltsville, Maryland**

**Accepting: Michael F. Combs, Sr.**

*For expanding the effectiveness of the Visitor Center in environmental, educational, cultural, and historical uses and protecting part of the Beltsville Area Research Center wetlands.*

### **Southern Piedmont Conservation Research Center**

**Watkinsonville, Georgia**

**Accepting: Maurice H. Frere**

*For working with local and state officials to minimize the impact of various projects on the Center's research by stressing the need for conservation of our natural resources.*

### **Subtropical Agricultural Research Laboratory**

**Weslaco, Texas**

**Accepting: Gene Lester**

*For starting an environmental education program via the beautification of Federal property and landscaping with native plants.*

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# ARS Technology Transfer Awards

The Technology Transfer Awards Program was initiated to recognize individuals who have done outstanding work in transferring technology to outside users.

## *For Outstanding Contributions*

### **Biting Fly-Cattle Grub Research Unit**

**Kerrville, Texas**

**Accepting: Sidney E. Kunz**

William F. Fisher

Sidney E. Kunz

John A. Miller

Delbert D. Oehler

John H. Pruett, Jr.

Philip J. Scholl

Kevin B. Temeyer

*For the sustained efforts of the Biting Fly-Cattle Grub Research Unit in Transferring technology to the U.S. Animal Health Industry.*

### **Insect Virology Team**

**Beltsville, Maryland**

**Edward M. Dougherty**

**Dwight E. Lynn**

**Martin Shapiro**

*For successfully transferring the technology for developing the first commercial in vitro baculovirus biological pesticide system.*



## **ARS Technology Transfer Awards (cont.)**

### ***For Significant Contributions***

**Formaldehyde-Free Durable Press Research Team**  
**New Orleans, Louisiana**

**Clark M. Welch**  
**Bethlehem K. Andrews**

*For developing a process by which cotton fabric is esterified and crosslinked by polycarboxylic acids to produce formaldehyde-free textiles with smooth-drying properties durable to laundering.*

**Honey Bee Tracheal Mite Research Team**

**William T. Wilson**  
**Weslaco, Texas**

**Hachiro Shimanuki**  
**Beltsville, Maryland**

*For the timely development of four acaricides that effectively control *Acarapis woodi* and/or *Varroa jacobsoni* in honey bees.*

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# **Talcott W. Edminster Award for Most Outstanding Research Associate Proposal**

**The Research Associate Program, implemented during the time Mr. Edminster was Administrator of ARS, provides scientists and engineers the opportunity to develop proposals for priority research and to recruit scientists and engineers of unusual ability to conduct the research. The most outstanding proposal each year receives the Edminster Award.**

*A proposal on the biodegradation/detoxification of fumonisin contaminated maize submitted by:*

**Richard G. Powell and Ronald D. Plattner  
National Center For Agricultural Utilization Research  
Peoria, Illinois**

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# Career Service Certificates

## *For 40 Years of Federal Service*

**Manuel S. Barbeito**  
National Program Staff

## *For 30 Years of Federal Service*

**Evelyn F. Baumann**  
Personnel Division

**Josephine T. Carter**  
Contracting and Assistance Division

**Sandra M. Clevenger**  
National Program Staff

**James H. Elgin, Jr.**  
National Program Staff

**John C. Espenschade**  
Facilities Division

**Marie M. Ferensic**  
National Program Staff

**Darlene D. Fowler**  
Personnel Division

**Gertrude B. Headley**  
Personnel Division

**Daniel E. Howarth**  
Information Systems and  
Technology Division

**Sandra L. Huffman**  
National Program Staff

**W. Doral Kemper**  
National Program Staff

**Kathleen J. Michels**  
Contracting and Assistance  
Division

**Gay M. Northedge**  
Personnel Division



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# Administrator's Council

**R.D. Plowman, Administrator**

Essex E. Finney, Jr.

William H. Tallent

Edward B. Knipling

Howard J. Brooks

Wilda H. Martinez

Robert R. Oltjen

Henry L. Shands

Jan van Schilfgaarde

Thomas J. Clark

Thomas J. Army

Ernest L. Corley

Floyd P. Horn

K. Darwin Murrell

Paul A. Putnam

Robert J. Reginato

Herbert L. Rothbart



